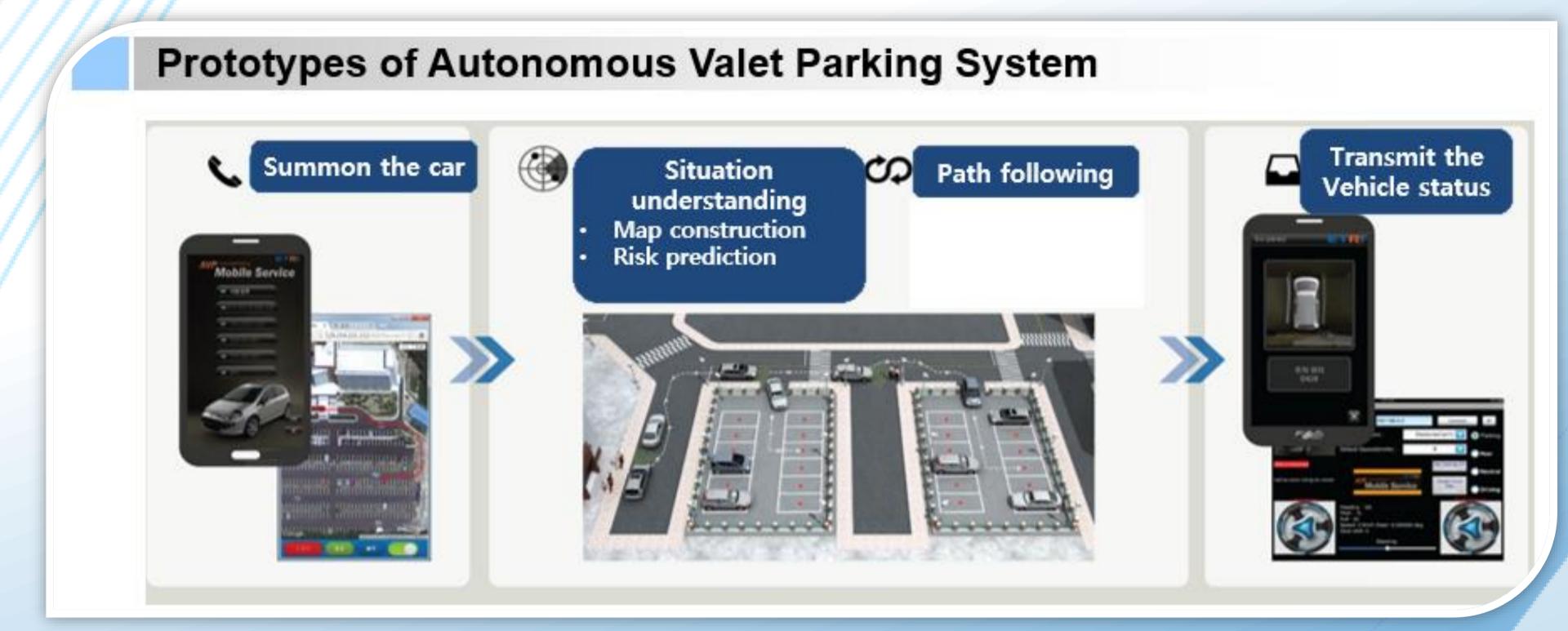# Autonomous Valet Parking Service with Smartphones

🍓 Technology Overview

The Autonomous Valet Parking platform is enabling a vehicle drives and parks without any human intervention that automatically manoeuvring from a traffic lane to the designated spot supported by visual odometer and mobile device.

Prototypes of Autonomous Valet Parking System

🍓 Core Technologies

- Motion stereo technology for vehicle positioning with digital map and visual odometry (10Cm precision

- Path generation and following for driving and parking consecutively

- Mobile device technology of User interface for AVP

🍓 Application Area and Advantages

- Automated driving smart car

- Safe driving assistance system

- Adaptive interacting navigation

- Fleet management systems

🍓 Accomplishments

- 2 PCT patents, 12 TOT(Transfer of Unit Technology), ISO13184-1

- SCI Journal publication (ETRI Journal vol.36, no.6)